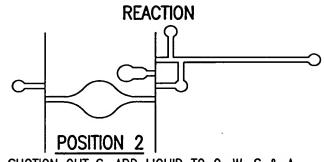
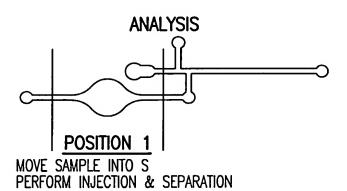


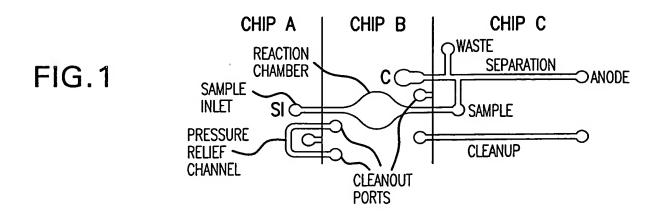
PUMP MATRIX INTO A, SUCTION OUT C, W, S & A ADD SAMPLE TO SI PORT



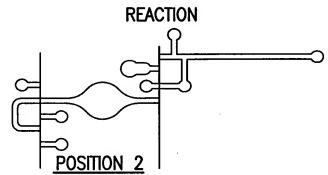
SUCTION OUT S, ADD LIQUID TO C, W, S & A PERFORM REACTION



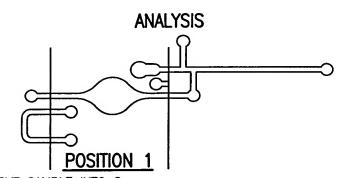
LEGEND



PUMP MATRIX INTO A, SUCTION OUT C, W, S & A ADD SAMPLE TO SI PORT

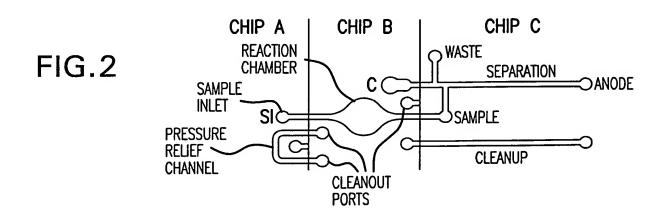


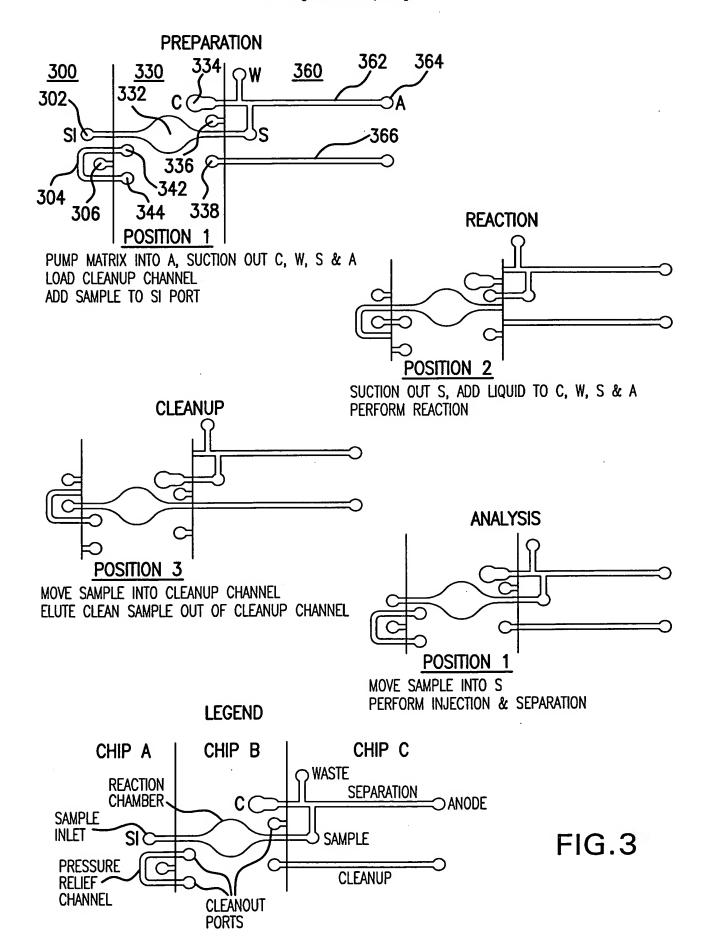
SUCTION OUT S, ADD LIQUID TO C, W, S & A PERFORM REACTION

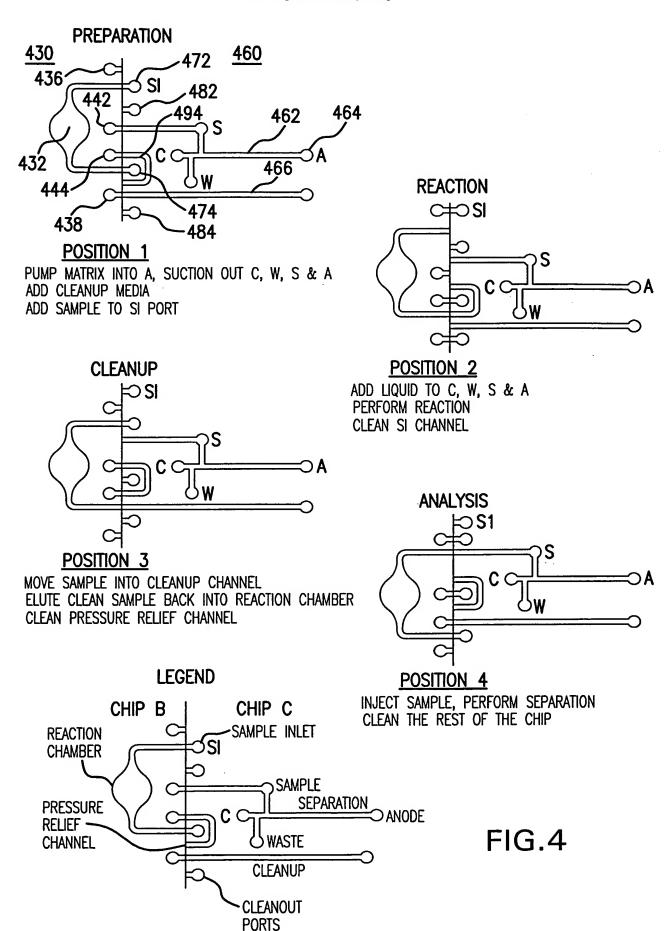


MOVE SAMPLE INTO S
PERFORM INJECTION & SEPARATION

LEGEND







Docket No.: PB0250 Inventor(s): D. Roach, et al. Title: Integrated Microchip Design

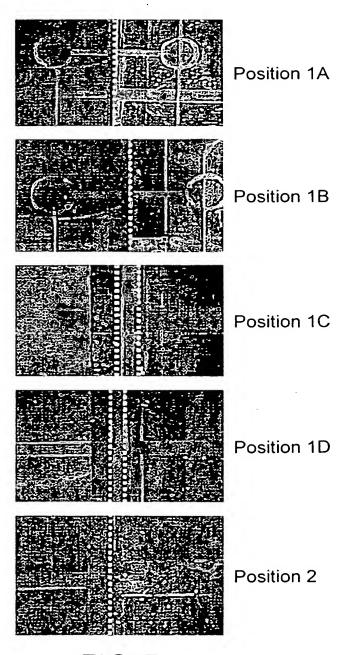
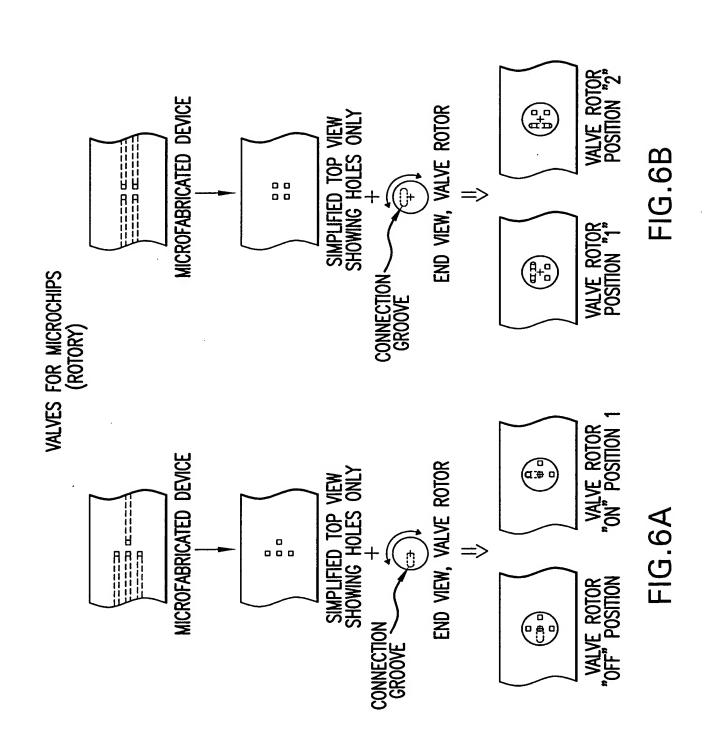
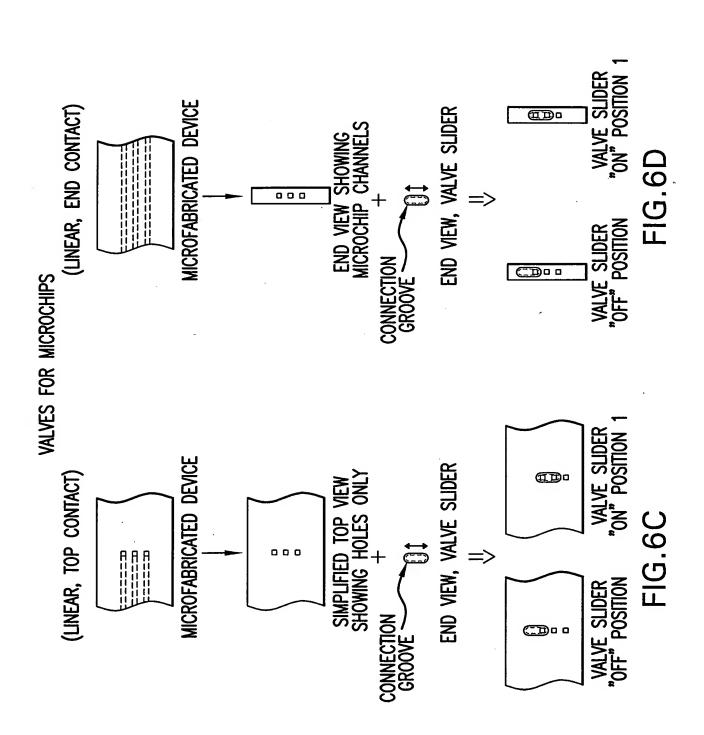


FIG.5





Docket No.: PB0250 Inventor(s): D. Roach, et al. Title: Integrated Microchip Design

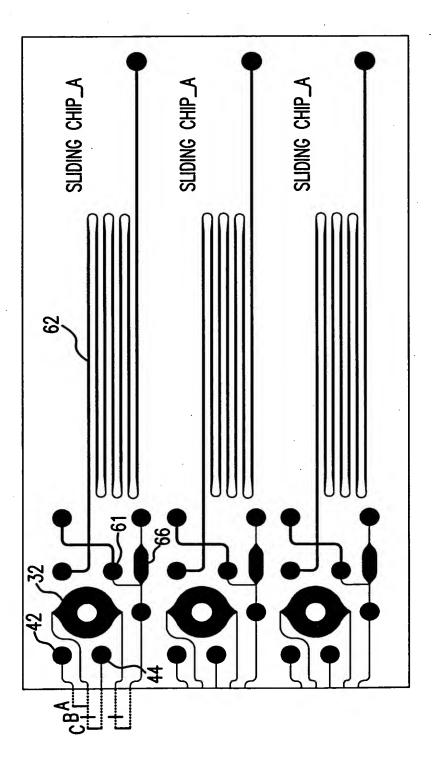


FIG.7A

SLIDING CHIP_B SLIDING CHIP_B SLIDING CHIP_B FABRICATION VERY SMALL, HIGH ASPECT RATIO HOLES IN GLASS

FIG.7B

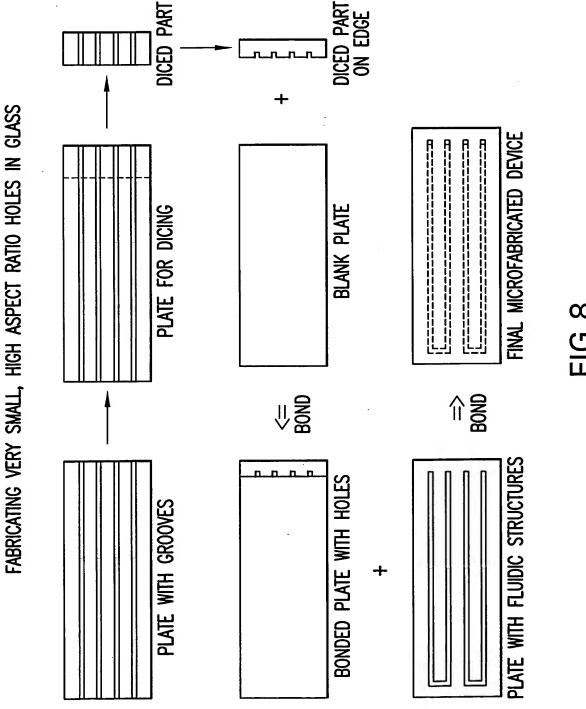


FIG.8